

# TSURUMI Kyoto Plant

- Period of construction:** January 1993 - March 1994
- Buildings:** 6 Buildings, 2 Floors
- Total site area:** 41.250 m<sup>2</sup>
- Hight of buildings:** 20 m
- Total area of floors:** 21.600 m<sup>2</sup>  
- 16.000 m<sup>2</sup> for standard pumps  
- 4.500 m<sup>2</sup> for special pumps  
- 1.100 m<sup>2</sup> other purposes
- Production capacity:** 1.000.000 pumps per year
- Production control:** Computer Integrated Manufacturing



- Stock:** parts stock: 9452 racks  
product stock: 3024 racks
- Test facilities:** 3 test basins, connecting port diameter 40 mm - 3.000 mm, 5.185m<sup>3</sup> basin volume  
High lift experiment tower 44 m
- Power supply:** 1.000 kVA Generator

**Assembly  
distribution  
system**



## Unmanned CNC machine tools



## Auto-guided forklift

Parts are automatically carried to the next station





**Powder coating line**

**Shot blaster**



**Painting line for special pumps**





**Assembly lines standard pumps**



Large machine-processing  
and assembly room





## Automatic Product storage system 3000 racks





**Testing apparatus for large-sized pumps**

**Performance testing apparatus for medium-sized pumps**



**Experiment tower**